FARM AND GARDEN.

THE OX WARBLE OR BOT FLY.

How It Operates us a Parasite-Ita Effect on the Animal-Mode of Treatment. In a recent Bulletin of the Ohio Experiment Station, Clarence M. Weed discusses the injuries and life of the ox warble fly or bot fly. He says that a recent careful estimate indicates that fifty-six per cent. of the cattle in Ohlo are attacked by the ox warble or bot fly (Hypoderma bovis), and that the aver age loss on the hides due to the injuries of this insect amounts to one-third their total value, while the added loss due to the injury to the beef for food amounts to an average of \$4 per animal. Statis-tics gathered from ten of the principal stock-raising States of the Mississippi Valley showed the lowest per cent. of infestation to be thirty-three in Wisconsin, and the highest, seventy-three in Illinois. The loss indicated by these results has been summarized by the editors of Insect Life as follows:

The amount of this loss can be better by reproducing in condensed form the approximate estimate of the loss on hides of cattle received



THE ON BOT PLY. at the Union Stock Yards of Chicago. during the grubby season, which in-cludes the months from January to June. Using the reports by the States above given as a basis it is estimated that fifty per cent, of the cattle re-celved are grabby. The average value of a hide is put at \$5.90; and while from the report referred to one-third value is the usual deduction for grubby hides, in the estimate \$1 is deducted, or less than one-third. The number of cattle received in 1889 for the six months indicated was 1.335,026, giving a loss on the fifty per cent, of grubby animals, of \$667,513. When to this is added the loss from depreciated value and lessened quantity of the beef, the amount for each infested animal is put at \$5,

indicating a total loss from the attack of the fly of \$3,007,565. During the spring or early summer one may often find along the middle of the backs of cattle, just beneath the skin, a hard lump, usually having in the center an opening, which sometimes is more or less of a running sore. These are "warbles," and the lump is caused by the presence of a whitish or grayish maggot. Early in summer these maggots wriggle out of the warbles tail oremost and fall to the ground, where, under such protection as may be at hand, they shorten for pupation, and soon change to the pupa or chrysalis state. About a month later they emerge as adult flies, and the females deposit eggs on the backs of cattle. The eggs hatch into grubs which work their way



ON BOT PLY LABYA.

into the skin, where they form the warbie cells. Their mouth parts irritate the flesh, causing an olderation which not only is distressing to the animal, but injures the hide and beef, and in the case of dairy animals lessens the quantity of milk produced. The beef quantity of milk produced. The beef beneath these warbles has a peculiar, diseased, sickening appearance, and is commonly called "licked beef." Such beef always sells at a lower price than that not so affected.
Remedies.

Every warble magget destroyed in apring before it escapes to the ground pupate means that one less fly will be present to lay eggs for the coming brood. This should be carefully borne in mind, for from it the conclusion is obvious that if all the maggets new present in the backs of the cattle of a given neighborhood are killed, the egglaying brood of flies will be exterminated and there will be no injury next There is perhaps no other important injurious insect whose numbers can be so readily controlled; and the experience of English farmers, as published in Miss Ormerod's report, shows that by concerted action and continuation of the treatment the amount of warble attacks may be very rapidly lessened.

Perhaps the simplest remedy to use during spring and early summer is to squeeze the maggets out of the warbles. When they are nearly full grown this can be done with little trouble; and when smaller the opening can be enlarged with a penknife so as to let them out. A pair of medium-sized forceps are often helpful in removing them. Another simple remedy is to ap-ply to the opening a little oil or grease, which closes the breathing porce of the magget, thus causing it to die. Kerosene applied to the warbles either in , winter or spring also destroys them, as does indeed the application of almost any oily or fatty substance. Dr. C. V. Riley says that smearing the animals' backs with this substanthe simplest and easiest method of destroying the warbles, which it does by closing the breathing pores on the pos-terior end of the body. The destruction of the larve in this way may be effected by one or two applications in autumn, and is the most satisfactory method of controlling the pest."

ALL through the day you may now see great piles of coal lying along the street. People are preparing to keep warm during the winter. Are we making a similar preparation for the comfortof our animals? If that stable and shelter are not fixed up now, they will likely go through the whole winter

WHILE the erop of small fruit has not been what we could have wished it, in-dividual growers, in some instances, reaped great yields. One man reports that he raised about three hundred dois' worth of strawberries on less than

half an acre. ONCE more listen to this fact: We have less pounds in our cattle, as a whole, in the spring than at the beginning of winter, principally because there so many cattle that do not have proper shelter. - 4 . L

wloom of the Dead Sea

One of the most interesting lakes or inland seas in the world is the Dead Sea, which has no visible outlet. It is not mere fancy which has clothed the Dead Sea In a perpetual gloom. The desolate shores, with scarcely a green desolate shores, with scarcely a green thing in sight, scattered over with black stones and ragged driftwood, forms a fitting frame for the dark, sluggish waters, overhung with a continual mist, and breaking in slow, heavy sepulchral-toned waves upon the beach. It almost seems as if the snoke from the medical sides of Sedem and from the wicked cities of Sodom and Gomorrah, which lie at its bottom, was yet uscending up to Heaven, and as if the mean of their fearful sorrow would never leave the death-smitten valley. It is a strange thing to see the waves, not dancing along and sparkling in the sun as other waves do, but moving with measured melancholy and breaking up-on the shore with scarcely a sound—a fact due to the great heaviness of the liquid, which has more salt and bitu-men in it than water. Fish can not live in such a solution; it has even been said that birds can not fly over, an absurdity often disproved -St. Louis Republic.

LINCOLN'S MELANCHOLY.

during the later years of his life, were greatly impressed with the expression of profound melancholy his face always were in

Mr. Lincoln was of a peculiarly sympathetic and kindly nature. These strong charac-teristics influenced, very happily, as it proved his entire political career. They would not seem, at first glance, to be effi-cient aids to political success; but in the pscular energency which Lincoln, in the providence of God, was called to meet, no vessel of common clay could possibly have become the "chosen of the Lord." Those acquainted with him from boyhood

know that early griefs tinged his whole life with sadness. His partner in the greecry business at Salem, was "Uncle" Billy Green, of Tallula, Ill., who used at a glit, when the customers were few, to sold the grammar while Lincoln recited his

It was to his sympathetic ear Lincoln told the story of his love for sweet Ann Rut-ledge; and he in return offered what com for he could when poor Ann died, and Lin-

coin's great heart nearly broke "After Ann died," says "Uncle" Bills, "on stormy nights, when the wind blew the rain against the roof, Abe would set that in the grosery, his elbows on his knees, his face in his hands, and the tears runnin through his lingers. I hated to see him feel bad, an' I'd say, 'Abe don't cry; an' he'd look up an' say 'I can't help it, Bill, the rain's a fallin' on her.' P

There are many who can sympathize with this overpowering grief, as they think of a lost loved one, when "the rain's a fallin" on her" " What adds poignancy to the grief some times is the thought that the lost one

might have been saved.

Fortunate, indeed, is William Johnson, of Corona, L. L. a builder, who writes Jane 28, 1880; "Last February, on returning from charch one night, my daughter complained of having a pain in her audie. The pain gradually extended until her entire limit was swolen and very painful to the touch. We called a physician, who after careful examination, pronounced it disease of the kidneys of long standing All we could do, did not seem to benefit her until we tried Warner's Safet ure; from the first she commenced to improve. When she commenced taking it she could not turn over in bed, and could just move her hands a little, but might have been saved and could just move her hands a little, but to day she is as well as she ever was. The lieve I owe the recovery of my daughter to its use."

A noven differs from some medical pre-scriptions in that he can not very well be station before he is taken.—Binghamton Le. d. r.

Catarrh Can't Be Cared

with LOCAL APPLICATIONS, as they can not reach the scat of the disease. Catarrh is a blood or con situtional disease, and in order to circ it you have to take internal remedies. Hall's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces. Hall's Catarrh Cure is no quack medicine. It was prescribed be one of the best physicians in this country for years, and is a regular prescription. It is composed of the best tonics known, combined with the best blood purifiers, acting directly on the mucous surfaces. The perfect combination of the two ingredients is what produces such wonderful results in curing catarrh. Send for testimonials free. F. J. CHENERY & CO., Props., Toledo, O. Sold by Druggists, price To.

Ir people could have their wishes granted

When?

When?

When sores break out on your person, when pimples cover your face, when you feel weak and debilitated, and your nervous system feels shattered, when you have aches and pains, when your appetite falls, when you are troubled with dyspepsia, when you are troubled with dyspepsia, when there is a general functional derangement and life burdly seems worth living, give Dr. Buil's Sursaparilla a trial and you will be delighted at its pleasing effect. As a general health restorer and strengthener of the whole system it is superior to any other compound. It will not harm the most delicate invalid and has saved thousands from a premature grave. You wrong your self when you delay giving it a trial.

College men boys are not always the most successful, but they generally have the most fun. Somerville Journal.

The Regular Army

The Regular Army

Of the healthy are unacouninted with the horrors of chronic constipation and its associate—liver complaint. Join the ranks of this regular hest. Hostetter's Stomach Bitters, which insures regularity of the bowels and liver, will admit you. Dyspeysia, rhoumatism, kidney troubles, malaria promptly succount to the Bitters. It never regulates a little but always, thoroughly.

Chois with silver lining-French peasants with france sewn in their coats. N. Y. Mali and Express.

"The proof of the pudding is in the eating of it." How slow we are to believe in what we have not tried. How many times have you read in this paper of Shallenberger's Antidote for Malaria, and instead of testing it, gone to the drug store by mere done of habit for your quinine to simply patch up a true: with disease! The Antidote will care you. Sold by Druggists.

The meaquite is a desperately wicker fellow. It never rests until it gets "behin the bars"—Puck.

A GREAT mistake perhaps was made when Dr. Sherman named his great remedy Prickly Ash Birtrans; but it is presumed that at that time all remedies for the blood, etc., were called Bitters. Had he called it Prickly Ash "Regulator," "Curative," or almost anything but Bitters, it undoubtedly would have superseded all other preparations of similar character. The name Bitters is misleading; it is purely a medicine, and cannot be used as a beverage.

THE crab may not be as good cating a he lobster but it does very well on a pinch Elmira Gazette.

Paix from indigestion, dyspepsia and too hearty eating is relieved at once by taking one of Carter's Little Liver Pills immedi-ately after dinner. Don't forget this.

A MAN will tell a lie to get sympathy, as a woman will tell a lie to give it.—Atchisc

How My THROAT HURTS! Why don't youse Hale's Honey of Horehound and Tar! Pike's Toothache Drops Cure in one minute

"Dip you lose any thing of value in the first" "Only my blazer."-N. Y. Ledger. Brat, ensiest to use and cheapest. Piso

Whether on pleasure bent or business, should take on every trip a bottle of Syrup of Figs, as it acts most pleasantly and effectually on the kidneys, liver and bowels, preventing fevers, headaches and other forms of sickness.

For sale in 50c and \$1.00 bottles by all beeding druggists.

lt's easy for a girl to get a picnotuner on the string -Binghamton Republican.

I have used Buil's Sarsaparilla in skin diseases of long standing, which demanded a thorough change of the fluids of the body, and any physician knowing its composition will admittis value.—W.T. Prentise, Lewis-

Take your puzzle to the druggist-be's always ready with a solution — Danghamton Republican

Why not sees your clothes, by using the best, purest, most economical soap, Bobbins' Electric. Made ever since 1si4. Try it ence you will use it charge. Your grocel keeps it or will get it. Look for the name, Ibbbins.

Many a Congression envices the mosque o. His bill always goes through.—Scrar

tou Trath.

Many a poor little sickly child has been saved from the grave by its kind mother giving it Dr. Rall's Worm Destroyers which the little one thought was candy.

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Misfortunes.

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during the intervence of harden.

Do Nor jurge nor weaken the bowels, but act specially on the liver and bile. A perfect liver corrector. Carter's Little Liver Pills. A cent should always wear her sleeve long enough to laugh in it.—Dallas (Tex.)



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human body is the LIVER. When it fails to properly perferm its functions the entire system becomes deranged. The BRAIN, KIDNEYS, STOMACH, BOWELS, all refuse to perform their work. DYSPEPSIA. CON-STIPATION, RHEUMATISM, KIDNEY DIS-EASE, etc., are the results, unless some-thing is done to assist Nature in throwing off the impurities caused by the inaction of a TORPID LIVER. This assistance so

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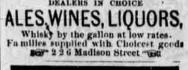
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